

Air Travel Company Name _____

**RAW MATERIAL ACQUISITION
STAGE**

Extraction Module

| Unit Process Name | Directions | Inventory Data Results (total seconds to complete task) |
|-------------------|--------------------------------------|---|
| Transportation | Walk over to recycling/waste bin. | |
| Extraction | Pull out 1 sheet of paper | |
| Transportation | Walk back to your original position. | |

MANUFACTURING STAGE

Refining Module

| Unit Process Name | Directions | Inventory Data Results (total seconds to complete task) |
|-------------------|---|---|
| Transportation | Walk over to Extractor pick up the folded sheet of paper. Walk back to original position. | |
| Refining | Fold each piece of paper so it has a single fold at the 1/3 length mark. Write "Sphere" on the 1/3 area and "AIRPLANE" on the 2/3 area. | |
| Cutting | Cut each piece of paper along the 1/3 length mark. | |

Sphere Manufacturing Module

| Unit Process Name | Directions | Inventory Data Results (total seconds to complete task) |
|----------------------|---|---|
| Transportation | Walk over to Refiner, pick up sheet of paper that says "Sphere" and walk back to original position. | |
| Sphere Manufacturing | Turn the piece of paper into a Sphere. | |

Airplane Manufacturing Module

| Unit Process Name | Directions | Inventory Data Results (total seconds to complete task) |
|------------------------|---|---|
| Transportation | Walk over to Refiner, pick up sheet of paper that says "AIRPLANE" and walk back to original position. | |
| Airplane Manufacturing | Turn the piece of paper into an Airplane. | |

USE STAGE

Sphere Use Module

| Unit Process Name | Directions | Inventory Data Results (total seconds to complete task) | (distance travelled in steps) |
|-------------------|--|---|-------------------------------|
| Transportation | Walk over to Sphere manufacturer, pick up Sphere, and walk back to original position. | | |
| Sphere Use | Throw Sphere as far as you can. | | |
| Sphere Backhaul | Pretend you are a larger vehicle required to collect a Sphere. Walk over and pick up Sphere from where it landed and return to position you threw it from. | | |

Airplane Use Module

| Unit Process Name | Directions | Inventory Data Results (total seconds to complete task) | (distance travelled in steps) |
|-------------------|---|---|-------------------------------|
| Transportation | Walk over to Airplane Manufacturer, pick up Airplane and walk back to original position. | | |
| Airplane Use | Throw Airplane as far as you can. | | |
| Airplane Backhaul | Pretend you are a larger vehicle required to collect an Airplane. Walk over and pick up Airplane from where it landed and return to position you threw it from. | | |

END-OF-LIFE STAGE

Recycling Module

| Unit Process Name | Directions | Inventory Data Results (total seconds to complete task) |
|-------------------|--|---|
| Transportation | Walk over to Sphere and Aiplane Users, pick up Sphere and Airplane and walk back to original position. | |
| Transportation | Walk over to Recycling Bin, put Sphere and Airplane in Recycling Bin and walk back to original position. | |